

# IMPERIAL REFINING COMPANY

## Ardmore, Carter County, Oklahoma

EPA Region 6  
EPA ID# OK0002024099  
Site ID: 0605091  
Contact: Katrina Higgins-Coltrain 214.665.8143  
State Congressional District: 4  
Fact Sheet Updated: July 2006



### Current Status

---

The Phase I and Phase II Remedial Investigation fieldwork began on September 14, 2005 and ended in February 2006. The field teams collected soil, surface water, ground water, waste, ecological and sediment samples. The Oklahoma Department of Environmental Quality (ODEQ) and the Environmental Protection Agency (EPA) are working with the State contractor to complete the following site documents: Remedial Investigation Report, Feasibility Study Report, Human Health Baseline Risk Assessment, and the Ecological Baseline Risk Assessment.

### Benefits

---

At this time, a complete understanding of the site and the nature and extent of waste is unknown. Data gained through the Remedial Investigation will be evaluated and will provide us with the necessary understanding to make decisions regarding risk and site cleanup.

### National Priorities List

---

Proposal Date: May 11, 2000  
Final Date: July 27, 2000

Location: The site is located on Highway 142, Ardmore, Carter County, Oklahoma.

Population: An estimated 130 residents live within 200 feet of the facility and an estimated 23,427 individuals who live within four miles of the facility. There is no school or daycare center located within 200 feet of the facility.

Setting: Imperial Refining is an inactive and abandoned crude oil refining facility that operated from 1917 until 1934 when it declared bankruptcy.

Principal Pollutants: When the facility ceased operations, the tanks, piping, and structures were dismantled. The waste includes contaminated soils from tank bottoms, coke piles, reservoir sediments, and building rubble.

The waste piles are found in 12 areas onsite and are characterized as dry, asphalt-like tar mats associated with oil-contaminated soil on top of oil-stained clay. During the removal assessment, the volume for all 12 areas was estimated to be between 15,000 and 17,000 cubic yards. Analytical results from all assessments found BTEX (benzene, toluene, ethylbenzene, and xylene), PAHs (polynuclear aromatic hydrocarbons), O&G (oil and grease), and metals.

This section will be revised upon completion of the remedial investigation and feasibility study.

## Human Health and Ecological Risk Assessment

---

The potential exists for elevated health/ecological risk levels associated with BTEX (benzene, toluene, ethylbenzene, and xylene), PAHs (polynuclear aromatic hydrocarbons), O&G (oil and grease), and metals involved in refinery activities. At present, the media of concern include surface water, sediments, surrounding wetland areas, and soil. Ground water and air have yet to be evaluated.

This section will be revised upon completion of the remedial investigation, feasibility study, and risk assessments.

## Record of Decision

---

The Record of Decision (ROD) will be issued after the Proposed Plan is released and public comments are received.

## Site Contacts

---

EPA Remedial Project Manager:	Katrina Higgins-Coltrain	214.665.8143 or 800.533.3508
EPA Site Attorney:	I-Jung Chiang	214.665.2160 or 800.533.3508
EPA Regional Public Liaison:	Arnold Ondarza	800.533.3508
ODEQ Oklahoma State Contact:	Megan Lloyd	405.702.5135